BRUHAT BANGALORE MAHANAGARA PALIKE

PWD FORM - 45 (WORK SLIP)

Name of work: IMPROVEMENTS OF ROADS DRAINS AND CULVERTS IN WARD NO 10 (DODDABOMMASANDRA)

Name of Agency: Sri N.M. Shivakumar, No. 7, 2nd Block, Juganahalli, Rajajinagara, Bangalore - 560010.

Estimated Cost: Rs. 1,00,00,000.00

Approved Amount : Rs. 93,65,583.05

Work Order No. BBMP/EE/BTP/WO/17/2020-21 Dated: 13-07-2021.

SL. No.	Description	Unit	Qty. as per Sanctioned Estimate			Qty. as per Tender			Actual executed Qty.	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Executed Amount	Savings	Excess	Remarks
			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2018-19+/- T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated	Sqm	439.03	243.88	107070.64	439.03	243.00	106684.29	421.39	421.39	243.00	102397.77	0.00	0.00	0.00	102397.77	4286.52		
2	Removing and refixing stone slabs of drains and pointing in CM (1:3)	Cum	939.15	111.30	104527.40	939.15	111.00	104245.65	939.15	939.15	111.00	104245.65	0.00	0.00	0.00	104245.65	0.00		
3	Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance	Cum	151.02	56.26	8496.39	151.02	56.00	8457.12	538.57	188.78	56.00	10571.68	349.79	59.01	20641.11	31212.79		22755.67	
4	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre	Cum	151.02	2001.28	302233.31	151.02	2001.00	302191.02	538.57	188.78	2001.00	377748.78	349.79	2099.14	734258.18	1112006.96		809815.94	
5	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and	Sqm	3765.95	29.68	111773.40	3765.95	29.00	109212.55	5450.95	4707.44	29.00	136515.76	743.51	35.58	26454.09	162969.85		53757.30	
6	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding	Cum	188.30	5227.92	984417.34	188.30	5227.00	984244.10	272.55	235.38	5227.00	1230331.26	37.17	7097.95	263830.80	1494162.06		509917.96	
7	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous	Sqm	12437.40	5.30	65918.22	12437.40	5.00	62187.00	12437.40	12437.40	5.00	62187.00	0.00	0.00	0.00	62187.00	0.00		
8	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler	Sqm	12437.40	12.72	158203.73	12437.40	12.00	149248.80	12437.40	12437.40	12.00	149248.80	0.00	0.00	0.00	149248.80	0.00		
9	Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous	Cum	497.50	7355.34	3659281.65	497.50	8000.00	3980000.00	497.50	497.50	8000.00	3980000.00	0.00	0.00	0.00	3980000.00	0.00		
10	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and	Sqm	399.48	454.74	181659.54	399.48	500.00	199740.00	399.48	399.48	500.00	199740.00	0.00	0.00	0.00	199740.00	0.00		

S.	Description	Unit	Qty. as per Sanctioned Estimate			Qty. as per Tender			Actual executed Qty.	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Executed Amount	Savings	Excess	Remarks
			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2018-19+/- T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
11	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse	Cum	8.91	5647.68	50320.83	8.91	5647.00	50314.77	7.74	7.74	5647.00	43707.78	0.00	0.00	0.00	43707.78	6606.99		
12	Tubular Steel Railing on Medium Weight Steel Channel (ISMC Series) 100 mm x 50mm:-Providing, fixing and erecting 50 mm dia steel pipe railing in 3 rows duly	M	990.00	1511.56	1496444.40	990.00	1511.00	1495890.00	86.00	86.00	1511.00	129946.00	0.00	0.00	0.00	129946.00	1365944.00		
13	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour	Sqm	396.00	84.80	33580.80	396.00	84.00	33264.00	154.80	154.80	84.00	13003.20	0.00	0.00	0.00	13003.20	20260.80		
14	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler	Sqm	5032.50	12.72	64013.40	5032.50	15.50	78003.75	5032.50	5032.50	15.50	78003.75	0.00	0.00	0.00	78003.75	0.00		
15	Providing and laying Bituminous Concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with	Sqm	201.30	7537.66	1517330.96	201.30	8000.00	1610400.00	201.30	201.30	8000.00	1610400.00	0.00	0.00	0.00	1610400.00	0.00		
16	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface:	Sqm	183.00	454.74	83217.42	183.00	500.00	91500.00	183.00	183.00	500.00	91500.00	0.00	0.00	0.00	91500.00	0.00		
																9364731.61		**1396246.87**	
	Sub Total				8928489.39														
	GST @ 12%				1071418.73														
	Miscelaneous and unforgen charges	LS			92.00														
	Total				**10000000.00**			**9365583.05**								**9364731.61**	**1397098.31**	**1396246.87**	

14.91 %

Work Slip Amount Percentage Excess $\frac{\text{1396246.87}}{\text{9365583.05}} \times 100$ = **14.91%**

Approved Tender Amount

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyarayanapura Sub Division

Assistant Executive Engineer
Vidyarayanapura Sub Division
BBMP, Bangalore - 97

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division